

CNG makes economic sense for waste trucks

Equipment costs

- CNG trucks cost roughly \$30k more than a diesel trucks, while a CNG fueling station costs 350k to \$1 million.
- Federal and some state grant money available.

Operating costs

- Maintenance cost equal to or less than diesel and gas.
- No diesel particulate filter (DPF) or selective catalytic reduction (SCR) or associated maintenance. Installed 3 way catalyst, no maintenance.

Fuel Costs

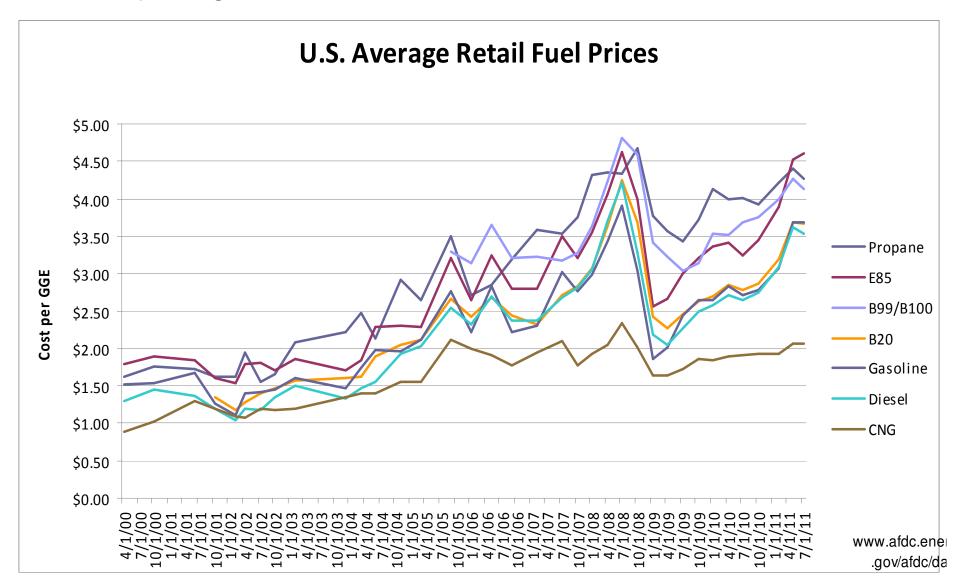
- CNG costs roughly \$1.75 less per Diesel Gal Equivalent (DGE) in the current market.
- CNG pricing historically has been less volatile than other fuels.
- U.S. Natural gas reserves are estimated at least 120 years.

Why is Casella choosing CNG for our waste trucks?

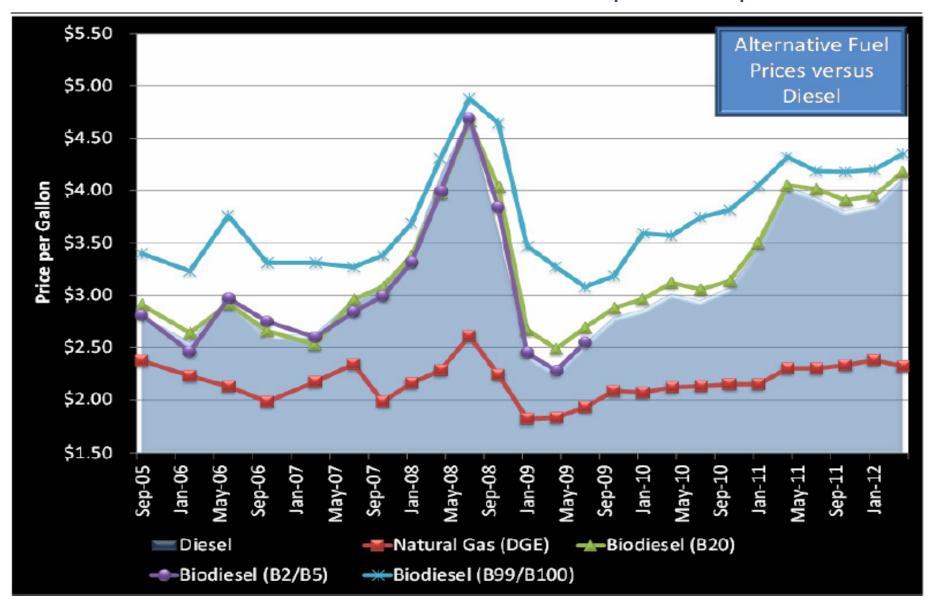
CNG meets our business, sustainability, operating, and safety goals:

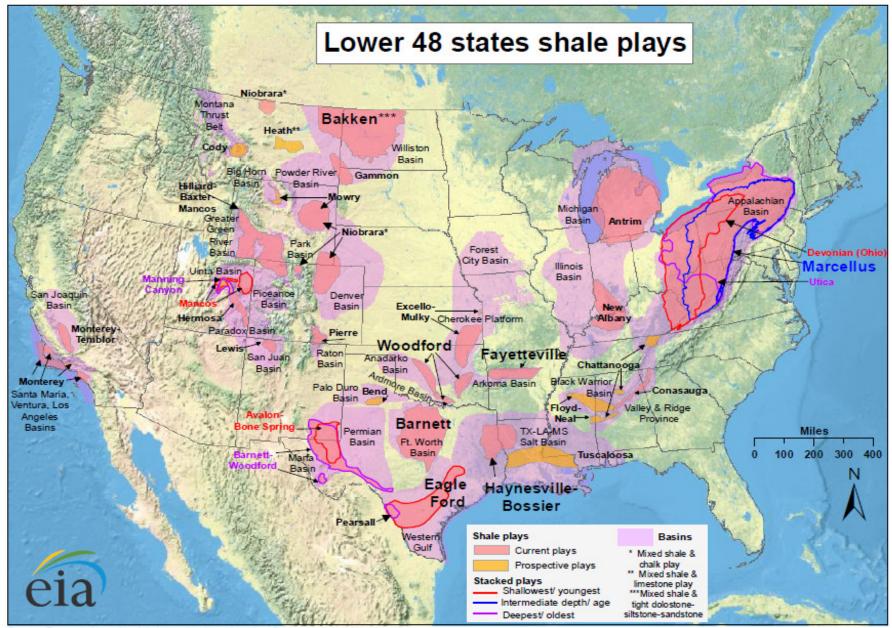
- <u>Business</u> provides positive investment returns and reduced fuel cost volatility.
- <u>Sustainability</u> much improved emissions profile over diesel.
- <u>Operating</u> proven technology that meets our operating standards on the road, quieter than diesel, simplifies repairs & reduces oil change intervals.
- <u>Safety</u> safer than diesel, disperses quickly, has higher ignition temperature.
- Foreign Oil Dependence and trade deficit will help free us from reliance on OPEC, domestic!!!

CNG pricing has been stable and less volatile than other fuels



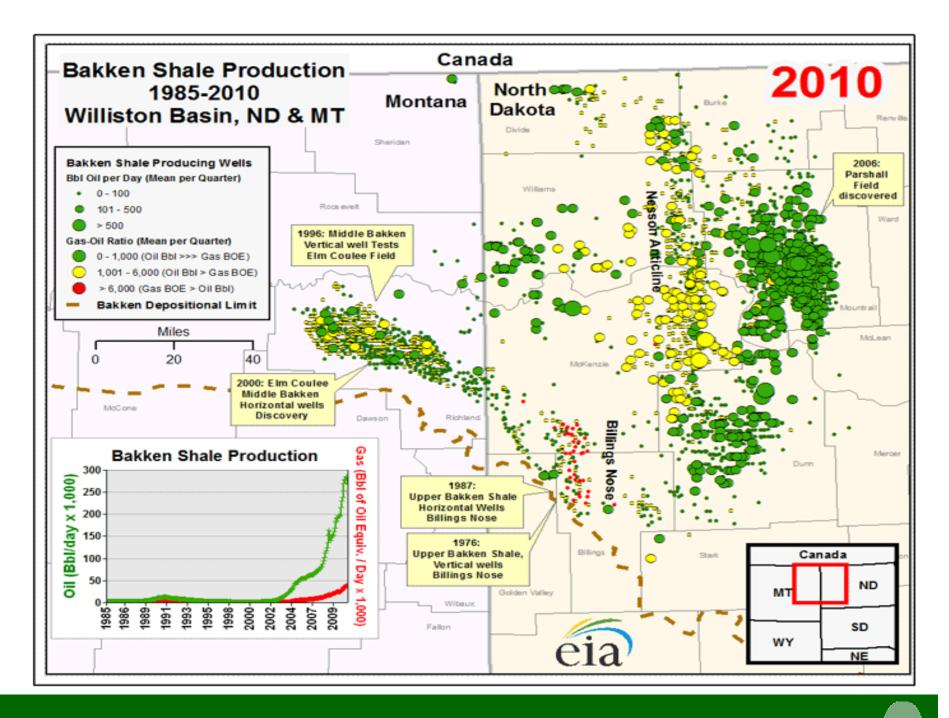
Clean Cities Alternative Fuel Price Report for April 2012





Source: Energy Information Administration based on data from various published studies.

Updated: May 9, 2011



CNG Trucks meet operating and maintenance requirements

Proven operating track record.

- Cleaner fuel means less exhaust treatment is required to meet 2010 EPA rules.
- CNG trucks have excellent on-road performance, with great response and plenty of power.
- 15-20% quieter than a diesel truck (CNG engines idle at 71.5 DBA vs. Diesel at 82.9 DBA).

Simpler engines and less expensive maintenance.

- Less complicated engines with more room in the engine compartment.
- Less maintenance required:
 - No Diesel Particulate Filter (DPF), only a catalytic converter.
 - No dual turbos.
 - Cleaner fuel = cleaner engine.

CNG trucks meet the highest safety standards

Natural gas is lighter than air.

- This means that it will not puddle like diesel fuel or sink to the ground like propane.
- Natural Gas will rise and dissipate in the atmosphere.

Natural gas has a higher ignition temperature than diesel.

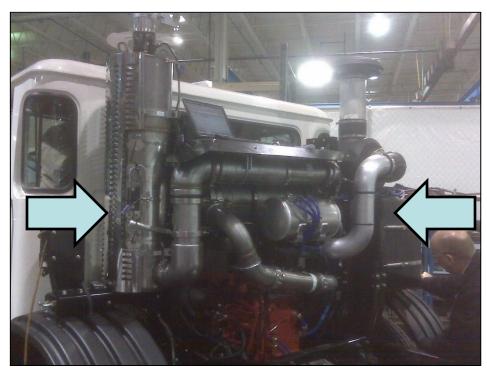
Ignition temperature of 1100 to 1300°F vs. 400 to 500°F for diesel.

Maintenance facility requires several upgrades for safe operation.

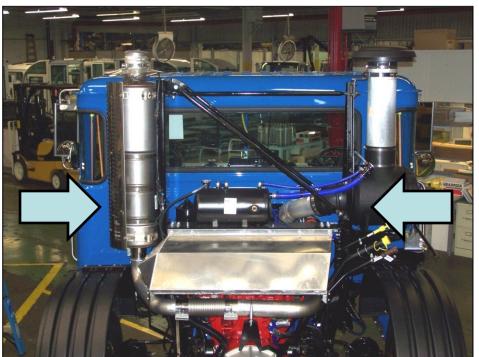
- Trucks can be serviced for up to 4 hours in normal maintenance facility.
- After 4 hours, truck needs to be serviced in a "CNG safebay," with proper methane detection and ventilation.

Truck Technology - Engines

2010 Diesel Exhaust Treatment



2010 Natural Gas Exhaust Treatment



Natural Gas Benefits

No Diesel particulate filter No Diesel emission fluid Increased operator visibility Less complexity

The fleet so far

Williston, VT- 7 dedicated CNG and 2 dual fuel vehicle

2 new for July delivery

13 stanchion station, AVSG

Geneva, NY 3 new dedicated CNG

4 converted through NYSERDA Grant

16 stanchion station

Fort Edward, NY 3 new dedicated CNG

3 converted through NYSERDA Grant

6 new for July delivery

16 stanchion station

Horseheads, NY Contract executed for 16 stanchion station

5 new for July delivery

Casella's first CNG front load truck

- Autocar with Cummins-Westport ISL G CNG engine with Agility 63 DGE CNG Tank
- Put in service in April 18, 2011.



Casella's first CNG automated side-load truck

- Autocar with Cummins-Westport ISL G CNG engine, right-hand drive.
- Put in service on 12-16-10.





Casella first "Time Fill" CNG station in Burlington, VT

Compressors and Controls

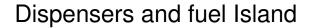


Time Fill Post Dispensers – Truck Hookup



Fast fill/Public Access CNG Station

Compressor and Storage tanks







Geneva, NY



Compressor Island

Time Fill Post Dispensers – K rail

